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A			CORONA/ COMIREX-M-72
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	СОММ	HTTE:	E ON IMAGERY REQUIREMENTS AND EXPLOITATION 73
			COMIREX-M-72  22 May 1969  E ON IMAGERY REQUIREMENTS AND EXPLOITATION TO THE PROPERTY OF THE P
		The f	following is an index of the Minutes of the 22 May 1969 eeting:
	Page	5	Special Briefing - International Remote Sensing Institute (IRSI)
	Section	1 (Ap	proval of Minutes, Briefings, and Reports on Operations)
	Page	7	Approval of Minutes
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	Section	11 (N)	PIC Report)
	Page	12	Mission Highlights of Interest to COMIREX
	Section	III (S	ubcommittee and Working Group Reports)
	None		
)	Section	IV (A	ction Items)
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	Page	15	Requirement for Imagery Reconnaissance over Cuba
	Page	15	Deadlines for Basic Support Program (COMIREX-M-71, page 11, paragraph 4)
	Page	15	COMIREX Resource Information Report, Third Quarter FY 1969 (TCS-7358-69. 19 May 1969)

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Section	V	(Status	of Recent	COMIREX	Papers)

Page	e 16 Need to Provide Requirements Guidance to N			
		its Four-Year Financial Program (COMIREX-D-13.16/4)		

Page 17 Planning Factors for the Exploitation of Reconnaissance Imagery: National Reconnaissance Program, FY 1970-1974 (COMIREX-D-31.5/2B)

Page 18 Maintenance of Area Coverage File (COMIREX-D-32.6/3)

Page 18 Program for Planning Exploitation, FY 1971-1975 (COMIREX-D-31.1/4 renumbered COMIREX-D-31.5/3)

#### Section VI (Other Business)

Page 19 Vulnerability of FOXBAT

Tabs

Page A 1 Tab A - Surveillance Coverage of Lines of Communications for 15-21 May 1969

25X1A Page B 1 Tab B - Coverage of North Vietnam for 8-14 May 1969

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	CORONA/ COMIREX-M-72 IDEALIST/TACKLE 22 May 1969	25X1A
	Special Briefing	
	International Remote Sensing Institute (IRSI) (T-KH)	
,	l. introduced explaining that he had spent a week with at the International Remote	25X1A 25X1A
	Sensing Institute, the activities of which could be of considerable interest to COMIREX in the long run confirmed that he had attended a symposium in Sacramento, 21 to 25 April. He noted that the IRSI work was paying a good deal of attention to both active	25X1A
	and passive micro-wave sensing systems. These systems appear to have considerable potential against materials and surfaces; e.g.  reported that micro-wave systems could provide accurate information on sea state (height of waves, etc.) and could also detect and assess bodies of ore as much as 10 feet below the surface. He stressed, however, that research in this field is still in its infancy.	
	2. advised that the IRSI in Sacramento is a new organization more or less paralleling other institutes such as the Oceanographic Institute. Its ambitious program includes plans for publication of a journal and a newsletter as well as the publication of bibliographies on papers in the remote sensing field. The IRSI hopes to train photogrammetrists for some underdeveloped countries, and conduct courses for PIs in new and advanced systems. indicated that he felt the Intelligence Community might be able to make good use of the training courses to be provided. It is anticipated that IRSI will open a Washington office soon and that its publications will come out of Washington. In answer to a question from the Chairman, said that, as far as the top management is concerned, all	25X1A
	appeared to be U. S. citizens, but he would surmise that, judging from the name and the presence of several Commonwealth representatives at the symposium, IRSI would probably be pretty international in nature.	
	5 2270-69	25X1A
•	IDEALIST/TACKLE CORONA/	25X1A
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25X1A		
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25X1A L	CORONA COMIREX-M-72 IDEALIST/TACKLE 22 May 1969	
	•	
25X1A 25X1A		5X1
·	couragement because of the very delicate international implication of such surveys. In consideration of the wide dissemination of photography, 25) however, it is difficult to see how meaningful can be 25	X1A 5X1
25X1A	felt that IRSI wishes to operate entirely in overt or white areas, but those involved in the firm's rundown cannot fail to recognize where the activities can be of value to intelligence or could impinge on security. In	
25X1A	this connection, observed that IRSI is doing a considerable amount of work with North American Rockwell on near real-time readout. It was quite apparent that the work has gone much further than IRSI could report	
	in this type of symposium and that, in discussing the work at all, IRSI was deliberately fuzzing aspects which it felt had security implications.	
25X1A 25X1A	4. The Chairman thanked for an interesting briefing 25) on a potentially challenging activity and requested that NPIC keep an eye on what IRSI is doing. felt that this might be accomplished through who is extremely interested in finding a shortcut to condensed knowledge on any work being done in remote sensing.	X1A
	6 2270-69 25)	X1A
25X1A	IDEALIST/TACKLE CORONA	
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IDEA DOI / IAORDE	22 May 1969

### Section I (Approval of Minutes, Briefings and Reports on Operations)

#### Approval of Minutes (UNCL)

COMIREX approved COMIREX-M-70 and 71 without change.

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25X1A

25X1A

-	
Operational Briefing Satellite	

2. reported on satellite operations and scheduling 25X1A as of 22 May as shown on page 11.

> TKH, I/T)3. reported no FOOD FAIR

25X1A or IDEALIST/TACKLE activity. With regard to GIANT SCALE, reported 5 missions in the period 9 to 22 May as follows: 25X1A

Report on Aircraft Activity -- Far East

DATE	MISSION NO.	AREAS/TARGETS	RESULTS
11 May	GS141	Yen Bai, Viet Tri, Phuc Yen, Kep, Hon Gai Port, Cam Pha Port, RR 2, 5, 7, Rtes 15, 7, 8	Fair
12 May	GS 142	Hoa Lac Afld, Xom Aplo Ammo Stor & PW Camp, Viet Tri RR Yd, WW5B, 19A, Rte 1A, RR 4 Seg D, Cst Seg 11/1	Fair
14 May	GS144	Port Wallut Nav Base, Tien Yen Complex, Lang Son Afld & Complex, Dong Dang Afld & Complex RR 2 Seg C & D, Bac Can Army Bks, Rte 1A, WW 3	Fair

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COMIREX-M-72 22 May 1969 25X1A

$\overline{\mathtt{DATE}}$	MISSION NO.	AREĄ/TARGETS	RESULTS
18 May	GS146	WW 1, 3, 5, 6, 9, 11, Rte 1A, 15, 8, 7, Dong Hoi Afld, Quang Khe Tsp, RR 7, Vinh Tsp Song, Ben Thuy Tsp, Vinh Afld	Fair
22 May	GS148	Hwy Const Laos, Dien Bien Phu Afld, Yen Bai Compl, Viet Tri RR Yd, Phuc Yen Afld, Kep Afld, Cam Pha Port	Unknown

25X1A

4. reported 15 successful BUMPY ACTION missions in the 9 to 22 May period with 5 losses. Details are given below:

<u>DA TE</u>	MISSION NO.	AREAS/TARGETS	<b>RESULTS</b>
10 May	Q544/Q086(Low)	Cam Pha Port Fac, Kep RR Yd,, Kep Afld, Hiep Hoa Afld	MARS
10 May	Q525/Q087(Low)	SAMs 334, 331	MARS
11 May	Q543/Q088(Low)	Hanoi POW Instal Citadel, Hanoi Prison, Halo & POW Camp, Hanoi Port Fac	Lost
11 May	Q252/Q089(High)	DMZ, Mu Gia Pass, Rtes 15 & 1A, Bai Thuong Afld, Vinh Compl	Lost,
12 May	Q542/Q090(Low)	Kien An Afld, Rtes 10, 1A	MARS
13 May	Q546/Q092(Low)	Cam Pha Port Fac, Yen Vien RR Yd, Hanoi POW Detn Instal Citadel, Hanoi Prison Halo & POW Camp, Hanoi POW Detn Instal Cu Loc	MARS
13 <b>Ma</b> y	Q538/Q093(Low)	WW 19A, Bai Thuong Af1d	MARS
14 May	Q255/Q094(High)	Rtes 15, 1A, DMZ	Recovered from water
14 May	Q537/Q095(Low)	Haiphong Port Fac	MARS

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COMIREX-M-72 22 May 1969 25X1A

DATE	MISSION NO.	AREAS/TARGETS	RESULTS
15 <b>M</b> ay	Q882N/Q097(Low SRE)	Hanoi Port Fac, Gia Lam Afld	Lost
15 May	Q501/Q098(Low)	Rte 1A & RR, Vinh Afld, Dong Hoa	MARS
16 May	Q548/Q099(Low)	SAM 263, Bac Mai Afld, Hanoi Port Fac, Yen Vien RR Yd	Lost
17 May	Q901/Q101(High)	Rte 15, Area Coverage, Na San Afld	MARS,
17 May	Q540/Q102(Low)	Haiphong Roads Area, Haiphong Port Fac, Haiphong Naval Base	MARS
18 May	Q508A/Q103(Low)	Yen Vien RR Yd, Gia Lam Afld, Hanoi Port Fac, Bac Mai Afld, Nam Dinh Trans Pt, Nam Dinh TPP	Lost
20 <b>Ma</b> y	Q541/Q108(Low)	Haiphong Port Fac, Cat Bi Afld	MARS
20 May	Q549A/Q109(Low)	Vinh Afld, POL Pipeline, Seg Rte 1A, 7, Dong Hoi Afld, Dong Hoi Afld, Dong Hoi Tsp	MARS
21 May	Q548/Q110(Low)	SAM 263, Bac Mai Afld, Hanoi Port Fac, Yen Vien RR Yd	MARS
21 May	Q550/Q111(Low)	AnKhe Army Bks, Haiphong Port Fac	MARS
22 May	Q904/Q112(High)	DMZ, Bai Thuong Afld, Rtes 15, 1A, Vinh Afld, Vinh Tsp, Dong Hoi Afld, Dong Hoi Tsp	MARS

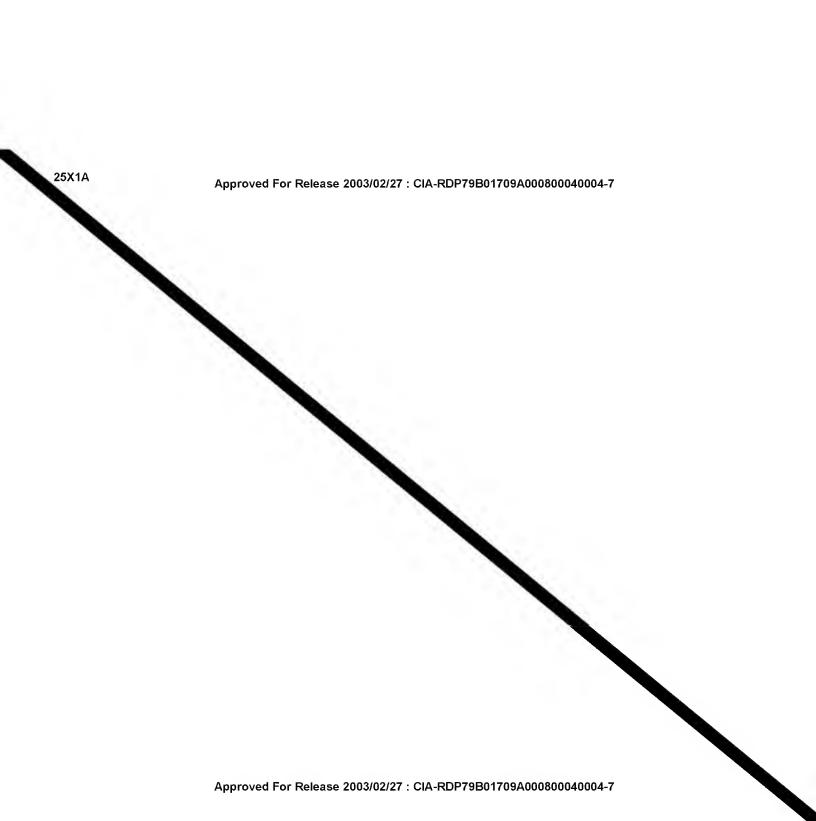
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	CORONA/ IDEALIST/TACKLE	COMIREX-M-72 22 May 1969	25X1A
		(T-KH)	
25X1A	5. reported efforts to requirements in South China and North Vietnam		
	a. Surveillance was reported of Communication (LOC) pertinent to the forces into North Vietnam (see COMOR-I The number of LOC priority targets in So Vietnam decreased to 352 with the deletic Segment in South China. For the period lance coverage was reported on 4 priorit and 11 in South China. The specific targelining in Tab A.	introduction of Chinese D-25/207, 4 March 1966 outh China and North on of Ma Huang Tien Hwy 15-21 May 1969, surveily targets in North Vietna	, - um
	b. Coverage of North Vietnam introduction or deployment of offensive m COMOR-D-25/200, 23 May 1967 and COM 20 November 1967) is shown on the grid may 1969. Five BUMPY ACC SCALE mission flown during this time p successful have not been included. No State of the state of the successful have not been included.	nissile systems (see MIREX-D-25.3/2, map at Tab B for the TION and one GIANT	<b>1</b> .
	Report on Aircraft Activity Cuba	(T-KH)	
25X1A	for a resumption of GLASS LAMP flights over Cucluded any flights up to this time. A flight was sit was not known at the time of the meeting whether launched.	scheduled for 22 May but	
25X1A	7. reported that for the beginning 27 March 1969 six GLASS LAMP missi Cuba and provided 52.7 percent coverage of the a	ons were flown over trea. During this	
25X1A	period, 119 of the targets in Cuba were cover cloud-free photography.	red completely on	
	10	2270-69	25X1A
	IDEALIST/TACKLE CORONA		25X1 <i>A</i>
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	CORONA/ COMIREX-M-72 IDEALIST/TACKLE 22 May 1969	25X
	Section II (NPIC Report)	
	Mission Highlights of Interest to COMIREX (T-KH)	
A A	attempts at advised that he had singled out recent the FOXBAT aircraft, and ICBM activities as of particular interest or potentially requiring reconnais-	
Г	sance attention in the near future.	25X
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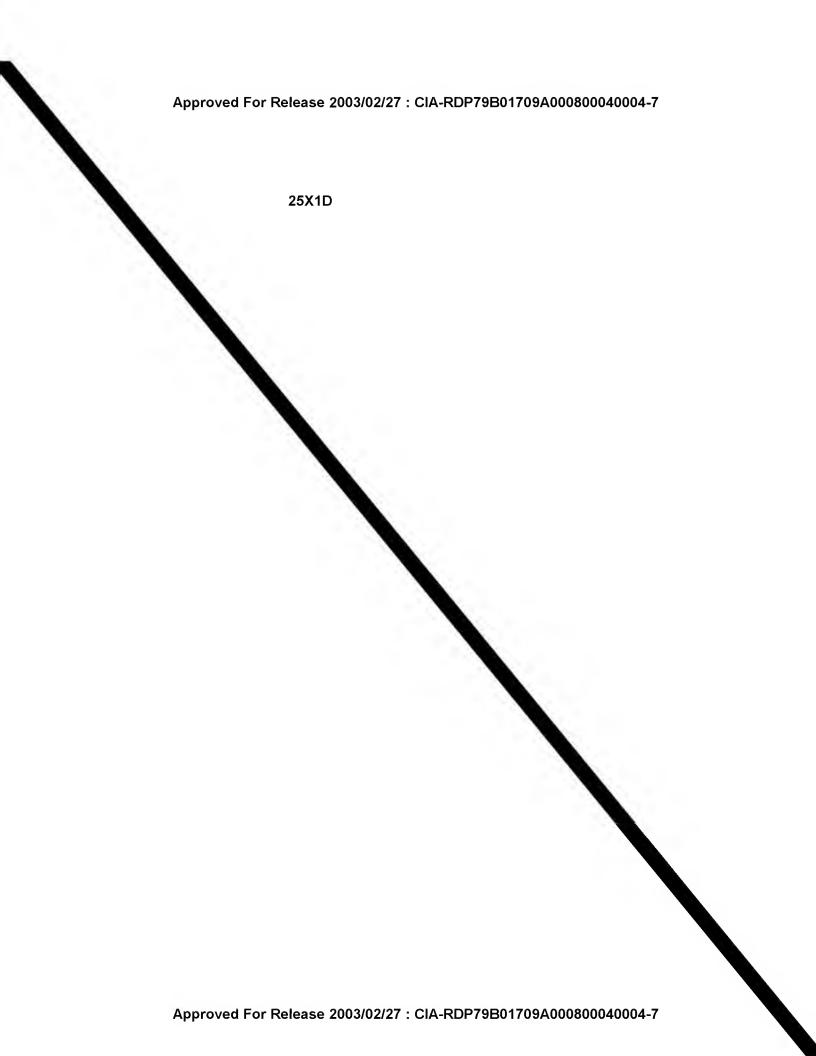
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	CORONA/ COMIREX-M-72 IDEALIST/TACKLE 22 May 1969	25X1 <i>F</i>
<b>K1A</b>	3. boards outlined the FOXBAT story with the implication that the deployment of this aircraft should possibly receive some special reconnaissance attention. The FOXBAT is described as being a triple threat: reconnaissance, strike, and long-range interception. It is the aircraft for which the Soviets claim an	
<b>K1A</b>	altitude of over 98,000 feet and a speed record around MACH 3. At this time, the single most important factor connected with FOXBAT production appears to be completion of a large new assembly hall at Gorkiy Airframe Plant 21. This was completed in January 1969. Consecutive passes of Mission 1051-1 revealed 8, 7, and 6 FOXBAT at Gorkiy. The Community remains uncertain as to whether the FOXBAT is now in full production or limited production and as to whether deployment can be anticipated in 1969 or 1970. Additional runs of the final assembly hall and nearby associated construction will help on this judgment. At this point in time, there appears to be a total of 14 known FOXBAT: 7 at Gorkiy, 2 at Ramenskoye Flight Test Center, and possibly 5 at Akhtubinsk Flight Test Center. In addition to these fields, suggested that attention be paid to advanced fighter pilot training schools located at Lipetsk Airfield West and Murom Airfield.	
X1A	4. reported that with regard to SS-9 activity, the total take of Mission 1051 boiled down to identification of two new SS-9 group starts, one at Dombarovskiy and one at Uzhur. Referring to	
X1A	observation that some additional activity which could be associated with SS-9 deployment had been observed at Zhangiz Tobe,	
(1A (1A	asked for a further explanation of his reasons for labellin this activity. suspect. Ithen explained that this activity center on several structures of a type normally associated with silo construct and that these structures are located in an area of most likely deployed. In reply to a further question from said that suspicions are correct, ground scratching for the silos should be evided by June.	ered stion nent. if his 25X1A
	13 2270-69	25X1A
	IDEALIST/TACKLE CORONA/	25X1A

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Section IV (Action Items)
l. The Chairman identified the need to collect
information on the SS-9 and SS-11 ICBM deployment as the primary intelligence target in the near term.
Requirement for Imagery Reconnaissance over Cuba (5)
The DIA member reported that although normalisation
2. The DIA member reported that although permission had been received to resume GLASS LAMP coverage of Cuba there was now an outstanding request to review the present requirement. The Chairman referred this to ICRS for action.
had been received to resume GLASS LAMP coverage of Cuba there was now an outstanding request to review the present requirement.
had been received to resume GLASS LAMP coverage of Cuba there was now an outstanding request to review the present requirement. The Chairman referred this to ICRS for action.  Deadlines for Basic Support Program (COMIREX-M-71, page 11, paragraph 4)  S  After a brief discussion on progress in submitting to EXSUBCOM the basic support exploitation requirements for FY 1970.
had been received to resume GLASS LAMP coverage of Cuba there was now an outstanding request to review the present requirement. The Chairman referred this to ICRS for action.  Deadlines for Basic Support Program (COMIREX-M-71, page 11, paragraph 4)  S  After a brief discussion on progress in submitting to
had been received to resume GLASS LAMP coverage of Cuba there was now an outstanding request to review the present requirement. The Chairman referred this to ICRS for action.  Deadlines for Basic Support Program (COMIREX-M-71, page 11, paragraph 4)  3. After a brief discussion on progress in submitting to EXSUBCOM the basic support exploitation requirements for FY 1970, the Chairman scheduled this agenda item for further discussion at the next meeting.  Supported request for piecemeal submission as increments are ready. Ine DIA member suggested that members orient their effort towards submitting by individual units rather than wait for the entire program for
had been received to resume GLASS LAMP coverage of Cuba there was now an outstanding request to review the present requirement. The Chairman referred this to ICRS for action.  Deadlines for Basic Support Program (COMIREX-M-71, page 11, paragraph 4)  3. After a brief discussion on progress in submitting to EXSUBCOM the basic support exploitation requirements for FY 1970, the Chairman scheduled this agenda item for further discussion at the next meeting.  Supported request for piecemeal submission as increments are ready. Into DIA member suggested that members orient their effort towards submitting by individual units rather than wait for the entire program for each quarter.  COMIREX Resource Information Report, Third Quarter FY 1969

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	Section V (Status of Recent COMIREX Papers)	
	Need to Provide Requirements Guidance to NRO for its Four-Year Financial Program (COMIREX-D-13.16/4)	25X1A
25X1A	draft memorandum for the Board, "NRO Satellite Launch Schedule, KH-4B, for FY 1971-1975", the Chairman emphasized the need to identify problems which might affect our views on the proposed schedule as a preliminary to COMIREX's forwarding	
	recommendations to the Board. In this connection reported that he had mentioned to RPG the following uncertainties, all of which are pertinent to any judgment as to whether requirements will be met by available satellite reconnaissance:	25X1A
	a. The possibility of slippage;	25X1A
	<ul> <li>b. The question of whether to use Ultra</li> <li>Thin Based film in CORONA (J-3);</li> </ul>	
	c. The outcome of COMIREX's examination of a new method of stating search requirements in light of new NRO programming capabilities; and	
	d. The loss of the CORONA backup capability as that program approaches its end and the normal sixvehicle backup is depleted, necessarily affecting the CORONA's flexibility in responding to unexpected needs for additional coverage.	
25X1A	2. focused first on the question of STB versus UTB and made it clear that a program of only five KH-4B	•
25X1A	missions a year with STB would put us in trouble in meeting the search requirement. said that NRO recognized this and hopes to have the full answer on the STB versus UTB problem	
25X1A	by 15 June then advised COMIREX that the official word	

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	Approved For Release 2003/02/27 : CIA-RDP79B01709A000800040004-7  CORONA/  IDEALIST/TACKLE  22 May 1969	25X1A
		NRO 25X
	stated that NRO would need extra time to provide COMIREX with the information on the four points the Chairman raised at RPG and now discussed at COMIREX.	
25X1A	made it a matter of record that COMIREX could not go to the Board with recommendations at this time, without the information requested, and noted that COMIREX will take another reading during June after the information on UTB is available and, hopefully, more is known about the aunch program and associated problems. The Chairman added one footnote to the UTB question pertinent to trade-offs between area coverage and resolution.	25X1A
25X1A	point was that the KH-4B is primarily a search vehicle and if UTB gives 50 percent more area coverage this is a real plus value for COMIREX and could outweigh any improvement in resolution which might seem to be insured with STB film.  Planning Factors for the Exploitation of Reconnaissance Imagery: National Reconnaissance Program, FY 1970-1974 (COMIREX-D-31.5/2E)	<b>V</b>
25X1A	4. The Acting CIA member requested clarification of some apparent discrepancies in the planning factors paper which had been distributed in the T-KH system on 19 May.  noted that Tab B made no reference to the use of UTB with the KH-4B but that subparagraph 3c of the covering memorandum states that "a single intelligence photography increment will provide usable imagery of about the same geographic area as a single increment of the KH-4B project that is operating with the UTB film suggested that this statement could be made to conform by changing the last few words to read " if it is operating with UTB film " He suggested, however, that change to this paragraph be delayed until the UTB question has been settled, at which point it might be necessary to re-issue Tab B. then observed that some changes were needed on Tab A and he would send this to members	25X1A 25X1A .''
	as soon as possible.  172270-69  IDEALIST/TACKLE	25X1A
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CORONA/ IDEALISI/IACKLE COMIREX-M-72 22 May 1969	2
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Maintenance of Area Coverage File (COMIREX-D-32.6/3) (T-KH)	
5. COMIREX noted and accepted the DIA member's introductory remarks on that part of the paper and its first enclosur which had been prepared by DIA. was then requested to comment on the problem of the photo mosaic.	e 2
6. distributed page-size copies of a sample photo mosaic and noted that we finally appear to have a coordinated mosaic acceptable to the community. observed that the	2
coordinates are now at intervals of 2 degrees, that annotations are clearly visible, that control numbers and coordinates are used, and in essence all features desired by intelligence analysts and the mapper and charting community seem to have been included. Among other things, the coordinates and the annotations will permit mosaics to be cut into sections, if this is desired, without losing their tie to the master mosaic. The Chairman, DBWG, informed COMIREX that the new production is smaller, is storable, and costs 10 cents to	oing
produce as opposed to \$1.00. After had congratulated those responsible on the total effort, COMIREX approved: the procedures proposed in the DIA memorandum of 6 May; handling in accordance with the enclosure on "special material indexing product and acceptance of the new photo mosaic.	s'';
Program for Planning Exploitation, FY 1971-1975 (COMIREX-D-31. renumbered COMIREX-D-31.5/3) (S)	1/4
7. The Chairman advised COMIREX that he considers formulation of a proper program for planning exploitation a very	
important community responsibility and asked whether he had a list of nominees to work on the project in his	2
• • • • • • • • • • • • • • • • • • •	$\neg$ 2
office, as it had not reached the Chairman's office.  replied that he did not have such a list.  this be accomplished at once and noted that a report on progress would be scheduled for discussion at an early meeting.	

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	Section	VI (Other Busines	9)	
	Vulnerability of FOXBAT			25X1A
25X1A		vy member made ro OXBAT and asked h	ow vulnerable	
25X1A		question with	of of	25X1A
				25X1A
	Committee	n Imagery Require	retary ments and Exploitation	
	Attachments Tabs A & B	·		
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